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# Fig. 1A

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# Fig. 1B

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Fig. 1C

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91/31 ATT CTG GAA GGG AAG GAG ATT GTT TCC AGC I L E G K E I V S S S 151/51 GGC TTC ACC GAG TCT ACT TTG CTA GAT GGT GG Z11/71 AAT AAA GAT GGC ACC GTT GAG TTG GCC AC GT AAA AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA K G A V I T V S R K 331/111 AAA ACT CCT ACA GCT TGG AAG CCC AAC TAC K T P I A W K P N Y	E G T E F A	E G T E F A	G T E F A	T E F A	E F A	F A	A R	2 &	4	<b>₹</b> ⊟	S C	5 5 7	֝֝֝֝֝֝֝֝֝֝֝֝֝֝֝֝֝֝֝֡֝֝֡֝֝֡֝֝֡֝֡֝֡֝֡֝֡֝	2 & 2 &	ر ال	ים פונס סורס	AGT. S	GAA E	GTC V	AGC S
ATT CTG GAA GGG AAG GAG ATT GTT TCC AGC I L E G K E I V S S S 151/51  GGC TTC ACC GAG TCT ACT TTG CTA GAT GGT GGT C11/71  AAT AAA GAT GGC ACC GTT GAG TTG GCC GCT AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA K G A V I T V S R K 331/111  AAA ACT CCT ACA GCT TGG AAG CCC AAC TAC K T P N Y											91/3						,	ا		)
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211/71  AAT AAA GAT GGC ACC GTT GAG TTG GTC GCT   N K D G T V E L V A   271/91  AAA GGG GCT GTA ATC ACT GTT TCG CGT AAA   K G A V I T V S R K   331/111  AAA ACT CCT ACA GCT TGG AAG CCC AAC TAC   K T P T A W K P N Y	K D T Q Y D	K D T Q Y D	D T Q Y D	T Q Y D	Q Y Q	Ω	I O	н		ပ	ĮŦ1	₽	<b>6-7</b>	ഗ	Ę					
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## Fig. 1D

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# Fig. 1E

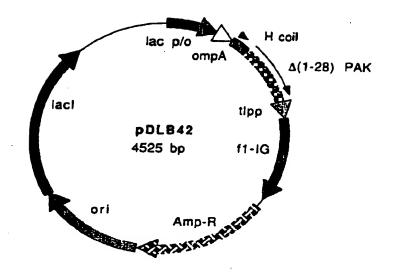


Fig. 2A

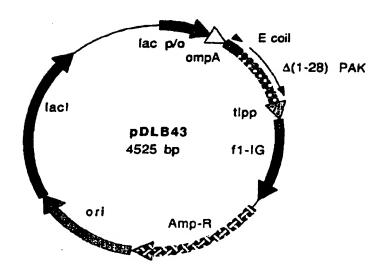


Fig. 2B

116/11 greg etc gag car cat car cat ggt ggt ggt ggc gag att gag gec etc aag get gaa A L E H H H H G G G G B I B A L K A B 146/21 176/31 atc gas gcc cta asg gcc gas ata gas gca ctt asg gcs gas atc gas gcg cta ass gcs I B  $\lambda$  L  $\kappa$   $\lambda$  B I E  $\lambda$  L  $\kappa$   $\lambda$ 206/41 236/51 gas at gag gct ctg aag gca ggc ggt gga gga gt ttc GCT CGT TCG GAA GGC GCA TCT  $\Xi$  I  $\Xi$  A L K A G G G  $\Xi$  F A R  $\Xi$   $\Xi$  G A  $\Xi$  266/61 296/71296/71 OCT CTT OCT TOG GTC AAT COG TTG AAG ACT ACC GTT GAA GAG GCG CTT TCT CGT GGT TGG A L A S V N P L K T T V E E A L S R G W 325/81 356/91 AGC GTG AAG AGC GGT ACA GGT ACA GAG GAC GCT ACT AAG AAA GAG GTT CCT CTG GGG GTG S V K S G T G T E D ATKKBVPLGV 416/111 GCG GCA GAT GCT AAC AAA CTG GGT ACT ATC GCA CTC AAA CCC GAT CCT GCT GAT GGT ACT ADABKLG TIALK PDPADGT 446/121 476/131 GCA GAT ATC ACT TTG ACT TTC ACT ATG GGC GGT GCA GGA CCG AAG AAT AAA GGG AAA ATT A D I T L T F T M G G A G P K N K G K 506/141 536/151 ATT ACC CTG ACT CGT ACT GCA GCT GAT GGT CTC TGG AAG TGC ACC AGT GAT CAG GAT GAG I T L T R T A A D G L W K C T S D Q D E 566/161 CAG TIT ATT CCG AAA GGT TGC TCT AGG KGCSR OFIP

## Fig. 3A

DEA sequence 613 b.p. ttctagataacg ... AAGAAGCTTGGG linear

86/1 116/11 geg etc gag cac cat cat cac cat ggt ggt ggt ggc gag gta tec get tta gag ada gaa A L B H H H H H G G G G B V S A L E K B 146/21 146/21 gtt tet get etc gaa aaa gag gtc agt get etg gaa aaa gag gtg tea gec ttg gaa aag V S A L B K B V S A L B K 236/51 . gaa gta toa goa ett gag aag ggo ggt gga gga gaa tto GCT CGT TOG GAA GGC GCA TCT B V S A L B K G G G B P A R S B G A 8 266/61 296/71 GCT CTT GCT TCG GTC AAT CCG TTG AAG ACT ACC GTT GAA GAG GCG CTT TCT CGT GGT TGG A L A S V N P L K T T V B E A L S R G W 326/81 356/91 AGC GTG AAG AGC GGT ACA GGT ACA GAG GAC GCT ACT AAG AAA GAG GTT CCT CTG GGG GTG SVK 8 G T G T E D A T K K, B V P L G V 386/101 416/111 GCG GCA GAT GCT AAC AAA CTG GGT ACT ATC GCA CTC AAA CCC GAT CCT GCT GAT GGT ACT AADANKLGTIALK P D 446/121 476/131 GCA GAT ATC ACT TTG ACT TTC ACT ATG GGC GGT GCA GGA CCG AAG AAT AAA GGG AAA ATT A. D I T L T F T M G G A PKNKGK 506/141 536/151 ATT ACC CTG ACT CGT ACT GCA GCT GAT GGT CTC TGG AAG TGC ACC AGT GAT CAG GAT GAG I T L T R T A A D G L W K C T S D Q D E 566/161 CAG TTT ATT CCG AAA GGT TGC TCT AGG PIPKGC

86/1 116/11 gog etc gag cac cat cat cac cat ggt ggt ggt ggc gag att gag gez etc aag get gaa A L B H H H H G G G G E I B A L K A B 176/31 ato qua goo ota aag goo qag ata qaa goa ott aag goa gag ato gag gog ota aaa gog I B A L K A B I B A L K A B I 206/41 236/51 gam atm gag get etg mag gem gge ggt ggm ggm gam tte GCA CGC GCT CAG CTT AGC GAA BIBALKAGGGGEPARAQ LSE 296/71 CGC ATG ACC CTG GCC AGT GGT CTC AAG ACG AAA GTG AGC GAT ATC TTC TCT CAG GAT GGG RMTLASGLKTKVSDIFS 326/81 356/91 TEC TEC CEG GET AAT ACT GET GEC ACG GEA GEC ATC GAG AAA GAT ACC GAC ATC AAC GEC AATAGIEKDID 416/111 386/101 AMG TAT GTT GCC AMG GTA ACA ACT GGT GGC ACC GCA GCT GCG TCT GGT GGT TGC ACT ATC KYVAKVTTGGTAAASGGCT 446/121 476/131 GTT GCT ACT ATG AAA GCC TCT GAT GTG GCT ACT CCT CTG AGG GGG AAA ACT CTG ACT TTG V A T MKASDVATPL RGKTLTL 506/141 536/151 ACT CTA GGA AAT GCT GAC AAG GGT TCT TAC ACT TGG GCC TGT ACT TCC AAC GCA GAT AAC N A D K G S Y T W A 596/171 566/161 ANG THE CTG CCA ANA ACC TGC CAG ACT GCT ACC ACT ACC ACT CCG K Y L P K T C Q T A T T T

### Fig. 4A

DNA sequence 631 b.p. ttctagataacg ... AGCAAGCTTGGG linear

116/11 86/1 gog etc gag cae cat cat cae cat ggt ggt ggt gge gag gta tee get tta gag aaa gaa A L E H H H H G G G G B V S A L H K E 176/31 gtt tot get etc gam amm gag gte agt get etg gam amm gag gtg tem gee ttg gam amg V S A L B R E V S A L E R E V S A L 236/51 206/41 gas gts tos gos ott gag sag ggo ggt ggs ggs gas tto GCA CGC GCT CAG CTT AGC GAA R V S A L E R G G G B F 296/71 266/61 COC ATG ACC CTG GCC AGT GGT CTC AAG ACG AAA GTG AGC GAT ATC TTC TCT CAG GAT GGG RMTLASGLKTKVSDIFSQDG 356/91 326/81 TOO TOO COG GOT AAT ACT GOT GOO ACG GOA GGO ATC GAG AAA GAT ACC GAC ATC AAC GGO K D T D I H G S C P A N T A A T A G I B 416/111 386/101 ANG THE GET GCC ANG GTA ACA ACT GGT GGC ACC GCA GCT GCG TCT GGT GGT TGC ACT ATC K Y. V A K V T T G G T A A A S 476/131 OTT GCT ACT ATG ANA GCC TCT GAT GTG GCT ACT CCT CTG AGG GGG ANA ACT CTG ACT TTG V A .T M K A S D V A T P L RGKTL 536/151 506/141 ACT CTA GGA AAT GCT GAC AAG GGT TCT TAC ACT TGG GCC TGT ACT TCC AAC GCA GAT AAC T L G N A D R G S Y T W A C 596/161 596/171 TSNADH 566/161 ANG THE CTG CCA ANA ACC TGC CAG ACT GCT ACC ACT ACC ACT CCG KYLPKTCQTA

116/11 geg etc gag cac cat cat cac cat ggt ggt ggc gag att gag gec etc aag get gaa A L B H H H H G G G G B I B A L K A B 176/31 146/21 atc gas gcc cts asg gcc gag ats gas gcs ctt asg gcs gag atc gag gcg cts ass gcg I B  $\lambda$  L K  $\lambda$  B I E  $\lambda$  L K  $\lambda$  B I E  $\lambda$  L K  $\lambda$ 236/51 gaa ata gag get etg aag gea gge ggt gga gga gaa tte GCG CGT TCG GAA GGT GCT TCG BIBALKA GGGG BFARSEGA 296/71 266/61 GCG CTG GCG ACG ATC AAC CCG CTG AAG ACC ACT STT GAA GAG TCG CTG TCG CGT GGA ATT A L A T I N P L K T T V E E S L S R G I 356/91 GCT GGT AGC AAA ATT AAA ATT GGT ACT ACT GCT TCT ACT GCG ACC GAA ACA TAT GCC GGC A G S K I K I G T T A S T ATETYAG 386/101 416/111 OTC CAG CCG GAT GCC AAC AAG TTG GGT GTA ATT GCT GTA GCA ATC GAA GAT AGT GGT GCG V I A V DANKLG IBDS 476/131 446/121 OGT GAT ATT ACC TIT ACC TIC CAG ACT GGT ACC TCT AGT CCC AAG AAT GCT ACT AAA GTT G D I T P T P Q T G T S S P K N A T K V 536/151 506/141 ATC ACT CTG AAC CGT ACT GCG GAT GGG GTC TGG GCT TGT AAA TCT ACC CAG GAT CCG ATG I T L N R T A D G V W A C K S T Q D P K 566/161 TTC ACT CCG AAA GGT TCT GAT AAC PTPKG

### Fig. 5A

DNA sequence 610 b.p. ttctagataacg ... CGAAAGCTTGGG linear

86/1 116/11 gety etc gag cac cat cat cac cat ggt ggt ggt ggc gag gta tec get tta gag aaa gaa A L E H H H H H G G G G E V S A 176/31 git tot got oto gam amm gag gio agi got oig gam amm gag gig tom goo tig gam amm L R X B V S A L B K B V S A L B K 236/51 gaa gta toa gea ett gag aag gge ggt gga gga gaa tte GCG CGT TCG GAA GGT GCT TCG BVSALBKGGGGFP ARSEGAS 266/61 296/71 GCG CTG GCG ACG ATC AAC CCG CTG AAG ACC ACT GTT GAA GAG TCG CTG TCG CGT GGA ATT A L A T I N P L K T T V B E S 356/91 GCT GGT AGC AAA ATT AAA ATT GGT ACT ACT GCT TCT ACT GCG ACC GAA ACA TAT GCC GGC A G S K I K I G T T A S T A T E T Y A G 386/101 416/111 OTC GAG CCG GAT GCC AAC AAG TTG GOT GTA ATT GCT GTA GCA ATC CAA GAT AGT GCT GCG V B P D A N K L G V I A V A I E D S G A 476/131 GOT GAT ATT ACC TTT ACC TTC CAG ACT GGT ACC TCT AGT CCC AAG AAT GCT ACT AAA GTT G D I T F T F Q T G T S S 536/151 506/141 ATC ACT CTG AAC CGT ACT GCG GAT GGG GTC TGG GCT TGT AAA TCT ACC CAG GAT CCG ATG 'N R T A D G V W A C K S T Q D P M 566/161 TTC ACT CCG AAA GOT TCT GAT AAC FTPRGS D N

### **INDUCED CELL CULTURES**

EXTRACTION OF PERIPLSMIC PROTEIN BY OSMOTIC SHOCK PROCEDURE

ION EXCHANGE CHROMOTOGRAPHY ON CARBOXYMETHYL CELLULOSE

SIZE EXCLUSION CHROMOTOGRAPHY WITH SEPHADEX G 75

**CHARACTERIZATION OF PURIFIED PROTEIN** 

Fig. 6

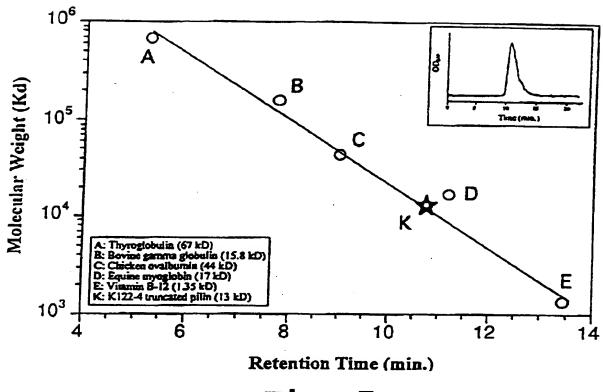


Fig. 7

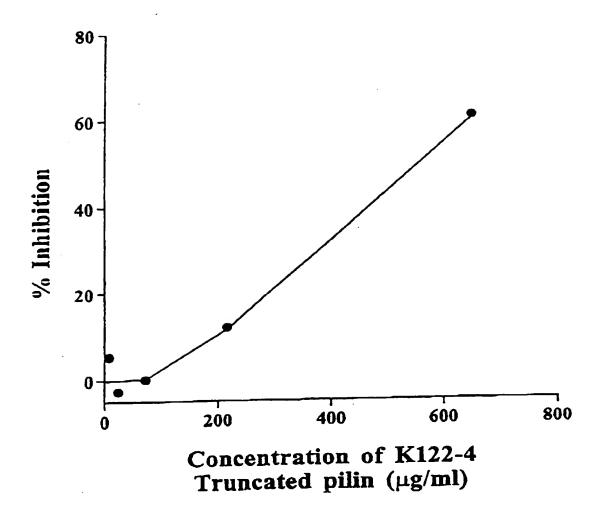


Fig. 8

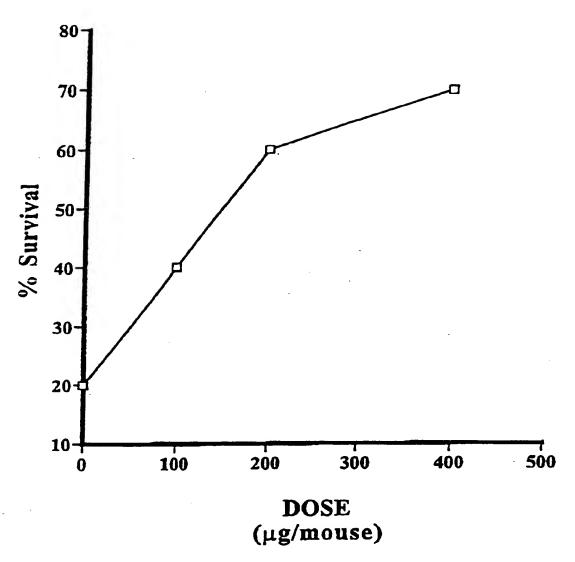


Fig. 9